

# COMPUTER ENGINEERING

## Program Requirements Checklist

Math & Basic Sciences			
Course	Title	Cr	Gr
CHEM 135	Chem for Engrs	3	
MATH 140	Calc I	4	
MATH 141	Calc II	4	
MATH 246	Differential Equations	3	
PHYS 161	Physics I	3	
PHYS 260	Physics II	3	
PHYS 261	Physics II Lab	1	
Intro. to Engineering			
ENES 100	Intro. Engr. Design	3	
Intro. to ECE			
ENEE 101	Intro to ECE	3	
CMSC Courses			
CMSC 131	Obj. Oriented Prog I	4	
CMSC 132	Obj. Oriented Prog II	4	
CMSC 216	Intro. to Comp. Systems	4	
CMSC 250	Discrete Structures	4	
CMSC 330	Org. of Prog. Languages	3	
CMSC 351	Algorithms	3	
ENEE 200 Level			
ENEE 205	Electric Circuits	4	
ENEE 222	Elem. of Discrete Sig.	4	
ENEE 244	Digital Logic Design	3	
ENEE 245	Dig. Circuits/Sys. Lab	2	
ENEE 300 Level			
*Students required to complete all 200-level courses prior to registering for 300-level courses.			
ENEE 303	Analog/Dig. Electronics	3	
ENEE 307	Elec. Circuit Design Lab	2	
ENEE 322	Signal/System Theory	3	
ENEE 324	Engr. Probability	3	
ENEE 350	Computer Organization	3	
ENEE 446	Digital Comp. Design	3	
Operating Systems			
CMSC 412 or ENEE 447	Operating Systems	4	

Comp. Engr. Electives (22 cr)			
Cat.	Course	Cr	Gr
Cat. A Math/Sci		3	
Cat. A Math/Sci		3	
Cat. B CMSC4xx		3	
Cat. C ENEE4xx		3	
Cat. D Adv. Lab		2-3	
Cat. E Capstone		3	
Cat. F Gen Tech		3	
CP Elec		2-3	

General Education			
Course	GenEd	Cr	Gr
ENGL 101	AW	3	
	OC	3	
MATH 140	MA	4	X
MATH 140	AR	4	X
ENGL 393	PW	3	
Distributive Studies			
PHYS 161	NS	3	X
PHYS 260/1	NL	4	X
ENES 100	SP	3	X
	SP	3	
	HS	3	
	HS	3	
	HU	3	
	HU	3	
	IS	3	
	IS	3	
	UP	3	
	UP	3	

Course requirements and co-requisites can be found online at <http://www.ece.umd.edu/undergrad/courses/reqs>.

This form does not replace actual advising. All ECE students are required to meet with their assigned advisor each semester.

Course descriptions can be found online at <http://www.ece.umd.edu/undergrad/courses>

Advising related questions can be submitted to the ECE Undergraduate Advising site at [eceadvise@umd.edu](mailto:eceadvise@umd.edu).